

abbreviation	
A	adenosine
A	alanine
AA	arachidonic acid
AA	asymmetric aminohydroxylation
AAA	asymmetric allylic alkylation
A _{AC} 1	unimolecular acid-catalyzed hydrolysis with acyl scission
A _{AC} 2	bimolecular acid-catalyzed hydrolysis with acyl scission
A _{AL} 1	unimolecular acid-catalyzed hydrolysis with alcoholic scission
AAS	atomic absorption spectroscopy
ABS	alkylbenzenesulfonate
Ac	acetyl
ac	anticlinal
acac	acetylacetonato
acaen	<i>N,N'</i> -bis(1-methyl-3-oxobutylidene)ethylenediamine
ACBZ	4-azidobenzyloxycarbonyl
ACE	alpha-chloroethoxycarbonyl
ACHC	2-aminocyclohexanecarboxylic acid
AcHmb	2-acetoxy-4-methoxybenzyl
Acm	acetamidomethyl
ACP	acyl carrier protein
ACTH	adrenocorticotrophic hormone
AD	asymmetric dihydroxylation
ad	adamantyl
ADDP	1,1'-(azodicarbonyl)dipiperidine
Ade	adenine
Ad ₂	bimolecular electrophilic addition
ADMET	acyclic diene metathesis polymerization
Adoc	1-adamantyloxycarbonyl
ADP	adenosine 5'-diphosphate
Adpoc	1-(1-adamantyl)-1-methylethoxycarbonyl
AE	asymmetric epoxidation
AIBN	2,2'-azobisisobutyronitrile
Ala	alanine
Alloc	allyloxycarbonyl
Als	allylsulfonyl
Am	amyl (or <i>n</i> -pentyl)
AMP	adenosine 5'-monophosphate
amu	atomic mass unit
<i>AN</i>	acceptor number
An (or AN)	<i>p</i> -anisyl (4-methoxyphenyl)
anhyd	anhydrous
Anpe	2-(4-acetyl-2-nitrophenyl)ethyl
ANRORC	anionic ring-opening ring-closing
ANS	8-anilino-1-naphthalenesulfonate
AO	atomic orbital
AOC	allyloxycarbonyl
<i>p</i> -AOM	<i>p</i> -anisylloxymethyl
AOT	sodium di(2-ethylhexyl) sulfosuccinate
<i>ap</i>	antiperiplanar
APCI	atmospheric pressure chemical ionization
aq	aqueous
AQN	anthraquinone
Ar	aryl (or argon)
Ara	arabinose
Arg	arginine
Asn	asparagine
Asp	aspartic acid
ATD	aluminum tris(2,6-di- <i>tert</i> -butyl-4-methylphenoxide)
atm	atmosphere
ATP	adenosine 5'-triphosphate
ATPH	aluminum tris(2,6-diphenylphenoxide)
au	atomic unit
Azb	<i>p</i> -azidobenzyl
AZT	3'-azido-3'-deoxythymidine
B _{AC} 2	bimolecular base-catalyzed hydrolysis with acyl scission
Bam	benzamidomethyl
BBA	butane-2,3-bisacetal
BBN (9-BBN)	9-borabicyclo[3.3.1]nonane
BCME	bis(chloromethyl)ether
BCN	<i>N</i> -benzyloxycarbonyloxy-5-norbornene-2,3-dicarboximide
BDMS	biphenyldimethylsilyl
BDPP	(2 <i>R</i> ,4 <i>R</i>) or (2 <i>S</i> ,4 <i>S</i>)-bis(diphenylphosphino)pentane
Bdt	1,3-benzodithiolan-2-yl
BEP principle	Bell-Evans-Polanyi principle
BER	borohydride exchange resin
BET	back electron transfer
Betsyl	benzothiazole-2-sulfonyl
BHT	butylated hydroxytoluene (2,6-di- <i>t</i> -butyl- <i>p</i> -cresol)
Bic	5-benzisoxazolymethoxycarbonyl
BICP	2(R)-2'(R)-bis(diphenylphosphino)-1(R),1'(R)-dicyclopentane

Bim	5-benzisoxazolymethylene
Bimoc	benz[<i>f</i>]inden-3-ylmethoxycarbonyl
BINAL-H	2,2'-dihydroxy-1,1'-binaphthyl lithium aluminum hydride
BINAP(binap)	2,2'-bis(diphenylphosphino)-1,1'-binaphthyl
BINAPO	2,2'-bis(diphenylphosphinoxy)-1,1'-binaphthyl
BINAPO	2,2'-bis(diphenylphosphoryl)-1,1'-binaphthyl
BINOL	1,1'-bi-2,2'-naphthol
BIPSOP	<i>N</i> -2,5-bis(triisopropylsiloxy)pyrrolyl
bipy (bpy)	2,2'-bipyridyl or 2,2'-bipyridine (bpy)
BLA	Brønsted acid-assisted chiral Lewis acid
BMB	<i>o</i> -(benzoyloxymethyl)benzoyl
bmim	1-butyl-3-methylimidazolium cation
Bmpc	2,4-dimethylthiophenoxycarbonyl
Bmpm	bis(4-methoxyphenyl)-1'-pyrenylmethyl
BMS	borane-dimethyl sulfide complex
Bn	benzyl
BNAH	1-benzyl-1,4-dihydronicotinamide
Bnpeoc	2,2'-bis(4'-nitrophenyl)ethoxycarbonyl
BOB	4-benzyloxybutyl
Boc	<i>t</i> -butoxycarbonyl
BOM	benzyloxymethyl
BOP	benzotriazol-1-yloxytris(dimethylamino)phosphonium hexafluorophosphate
BOP-Cl	bis(2-oxo-3-oxazolidinyl)phosphinic chloride
bp	boiling point
BPD	bis(pinacolato)diboron
B ₂ Pin ₂	bis(pinacolato)diboron
BPO	benzoyl peroxide
Bpoc	1-methyl-1-(4-biphenyl)ethoxycarbonyl
BPPFA	1-[1',2'-bis(diphenylphosphine)-ferrocenyl]ethyldimethylamine
BPS (TBDPS)	<i>t</i> -butyldiphenylsilyl
bpy	2,2'-bipyridyl (or 2,2'-bipyridine)
BQ	benzoquinone
BRM	biological response modifier
BroP	bromotris(dimethylamino)phosphonium hexafluorophosphate
Bs	<i>p</i> -bromobenzenesulfonyl (brosyl)
BSA	bovine serum albumin
BSA	<i>N,O</i> -bis(trimethylsilyl)acetamide
Bsmoc	1,1-dioxobenzo[<i>b</i>]thiophene-2-ylmethoxycarbonyl
Bt	1- or 2-benzotriazolyl
BTAF	benzyltrimethylammonium fluoride
BTEA	benzyltriethylammonium
BTEAC	benzyltriethylammonium chloride
BTFP	3-bromo-1,1,1-trifluoropropan-2-one
BTMA	benzyltrimethylammonium
BTMSA	bis(trimethylsilyl)acetylene
BTS	bis(trimethylsilyl)sulfate
BTSA	benzothiazole-2-sulfonic acid
BTSP	bis(trimethylsilyl)peroxide
Bu (n-Bu)	butyl
Bum	<i>t</i> -butoxymethyl
Bus	<i>t</i> -butylsulfonyl
Bz	benzoyl
bZIP	basic leucine zipper
Bzl (Bn)	benzyl
C	cytidine
C	cysteine
c	cyclo
18-C-6	18-crown-6
ca	circa (approximately)
CA	chloroacetyl
CAEB	2-[(2-chloroacetoxy)ethyl]benzoyl
CALI	chromophore-assisted laser inactivation
Cam	carboxamidomethyl
CAMB	2-(chloroacetoxymethyl)benzoyl
cAMP	cyclic adenosine 3',5'-monophosphate
CAN	cerium(IV) ammonium nitrate
CAT	chloramine T
cat	catalytic
CB	catecholborane
CBS	Corey-Bakshi-Shibata reagent
Cbz (Z)	benzyloxycarbonyl
cc. or conc.	concentrated
CCE	constant current electrolysis
CD	circular dichroism
CD	cyclodextrin
CDA	cyclohexane-1,2-diacetal
CDI	carbonyl diimidazole
CDM	2-cyano-1,1-dimethylethyl
cDNA	complementary deoxyribonucleic acid
CDP	cytidine 5'-diphosphate
CE	2-cyanoethyl

Cee	1-(2-chloroethoxy)ethyl
CHD	1,3 or 1,4-cyclohexadiene
cHex	cyclohexyl
CHIRAPHOS	2,3-bis(diphenylphosphino)butane
Chx (Cy)	cyclohexyl
Cl	chemical ionization
CIDNP	chemically induced dynamic nuclear polarization
CIMS	chemical ionization mass spectrometry
CIP	2-chloro-1,3-dimethylimidazolidinium hexafluorophosphate
Climoc	2-chloro-3-indenylmethoxycarbonyl
CM (XMET)	cross metathesis
cmc	critical micelle concentration
CMMP	cyanomethylenetrimethyl phosphorane
CMP	cytidine 5'-monophosphate
CMPI	2-chloro-1-methylpyridinium iodide
CMR	carbon-13 nuclear magnetic resonance
Cms	carboxymethylsulphenyl
CN	coordination number
Cne	2-cyanoethyl
CoA	coenzyme A
Coc	cinnamyloxycarbonyl
COD	1,5-cyclooctadiene
CoQ	coenzyme Q
COSY	correlation spectroscopy
COT	cyclooctatetraene
Cp	cyclopentadienyl
Cp*	1,2,3,4,5-pentamethylcyclopentadienyl
Cpeoc	2-(cyano-1-phenyl)ethoxycarbonyl
CPK	Corey-Pauling-Koltun (models)
CPTr	4,4',4''-tris(4,5-dichlorophthalimido)triphenylmethyl
CPTS	collidinium <i>p</i> -toluenesulfonate
CRA	complex reducing agent
Cr-PILC	chromium-pillared clay catalyst
CSA	camphor-10-sulfonic acid
CSI	chlorosulfonyl isocyanate
CT	charge transfer
CTAB	cetyltrimethylammonium bromide
CTAC	cetyltrimethylammonium chloride
CTAP	cetyltrimethylammonium permanganate
CTMP	1-[(2-chloro-4-methyl)phenyl]-4-methoxypiperidin-4-yl
CTP	cytidine 5'-triphosphate
CV	cyclic voltammetry
Cy	cyclohexyl
c.y.	chemical yield
Cyd	cytidine
Cys	cysteine
Cys-Cys	cystine
Cyt	cytosine
D	aspartic acid
2,4-D	2,4-dichlorophenoxyacetic acid
2D	two-dimensional
3D	three-dimensional
d	days
DABCO	1,4-diazabicyclo[2.2.2]octane
DAIB	3-exo-dimethylaminoisoborneol
DAM	di- <i>p</i> -anisylmethyl
DAST	diethylaminosulfur trifluoride
DATE	1,1-di- <i>p</i> -anisyl-2,2,2-trichloroethyl
DATMP	diethylaluminum 2,2,6,6-tetramethylpiperidide
DBA	dibenzylideneacetone
DBAD	di- <i>tert</i> -butylazodicarboxylate
DBD-Tmoc	2,7-di- <i>t</i> -butyl[9-(10,10-dioxo-10,10,10,10-tetrahydrothioxanthyl)]methoxycarbonyl
DBI	dibromoisocyanuric acid
DBM	dibenzoylmethane
DBN	1,5-diazabicyclo[4.3.0]non-5-ene
DBPC	2,6-di- <i>t</i> -butyl- <i>p</i> -cresol
DBS	dibenzosuberyl
DBSA	dodesylbenzenesulfonic acid
DB- <i>t</i> -BOC	1,1-dimethyl-2,2-dibromoethoxycarbonyl
DBU	1,8-diazabicyclo[5.4.0]undec-7-ene
DCA	deoxycorticosterone acetate
DCA	9,10-dicyanoanthracene
DCB	1,4-dicyanobenzene
DCB	1,2-dichlorobenzene
DCC	dicyclohexylcarbodiimide
DCE	1,1-dichloroethane
DCHA	dicyclohexylamine
DCM	dichloromethane
DCMU	3-(3,4-dichlorophenyl)-1,1-dimethylurea
DCN	1,4-dicyanonaphthalene
Dcpm	dicyclopropylmethyl
DCU	<i>N,N'</i> -dicyclohexylurea

Dde	2-(4,4-dimethyl-2,6-dioxocyclohexylidene)ethyl
DDQ	2,3-dichloro-5,6-dicyano- <i>p</i> -benzoquinone
DDT	2,2-bis(<i>p</i> -chlorophenyl)-1,1,1-trichloroethane
Ddz	1-methyl-1-(3,5-dimethoxyphenyl)ethoxycarbonyl
de	diastereomeric excess
DEAD	diethyl azodicarboxylate
DEG	diethylene glycol
deg	degree
DEIPS	diethylisopropylsilyl
DEM	diethoxymethyl
DEPBT	3-(diethoxyphosphoryloxy)-1,2,3-benzotriazin-4(3 <i>H</i>)-one
DEPE	1,2-bis(diethylphosphino)ethane
DET	diethyl tartrate
DHEG	dihydroxyethylglycine
DHP	3,4-dihydro-2 <i>H</i> -pyran
DHQ	dihydroquinine
DHQD	dihydroquinidine
(DHQ) ₂ PHAL	bis(dihydroquinino)phthalazine
(DHQD) ₂ PHAL	bis(dihydroquinidino)phthalazine
DIAD	diisopropyl azodicarboxylate
DIB (BAIB, PIDA)	(diacetoxyiodo)benzene
DIBAH (DIBAL)	diisobutylaluminum hydride
DIC	diisopropyl carbodiimide
dien	diethylenetriamine
Diglyme	diethylene glycol dimethyl ether
Dim	1,3-dithianyl-2-methyl
DIOP	2,2-dimethyl-4,5-bis(diphenylphosphinomethyl)-1,3-dioxolane
DIPAMP	1,2-bis[<i>o</i> -methoxyphenyl]phenylphosphino]ethane
DIPCDI	1,3-diisopropylcarbodiimide
DIPEA	diisopropylethylamine
DIPHOS	1,2-bis(diphenylphosphino)ethane
DIPT	diisopropyl tartrate
DLP	dilauroyl peroxide
DMA	<i>N,N</i> -dimethylacetamide
Dmab	4-{ <i>N</i> -[1-(4,4-dimethyl-1-2,6-dioxocyclohexylidene)-3-methylbutyl]amino}benzyl
DMAC	<i>N,N</i> -dimethylacetamide
DMAD	dimethyl acetylenedicarboxylate
DMAD	dimethyl azodicarboxylate
DMAP	4-dimethylaminopyridine
DMAPP	dimethylallyl pyrophosphate
DMB	dimethoxybenzyl
DMB	3',5'-dimethoxybenzoin
Dmb	2,4-dimethoxybenzyl
DMDO	dimethyl dioxirane
DME	1,2-dimethoxyethane
DMF	<i>N,N</i> -dimethylformamide
DMG	directed metalation group
dmg	dimethylglyoximate(2-)
DMI	1,3-dimethylimidazolidin-2-one
DMIPS	dimethylisopropylsilyl
Dmoc	dithianylmethoxycarbonyl
DMP	1,3-dimethoxypropane
DMP	Dess-Martin periodinane
Dmp	dimethylphosphinyl
Dmp	2,4-dimethyl-3-pentyl
DMPM	3,4-dimethoxybenzyl
DMPS	dimethylphenylsilyl
DMPU	1,3-dimethyl-3,4,5,6-tetrahydro-2(1 <i>H</i>)-pyrimidin-2-one(<i>N,N</i> -dimethyl propylene urea)
DMS	dimethylsulfide
DMSO	dimethyl sulfoxide
DMT	4,4'-dimethoxytrityl
DMTMM	4-(4,6-dimethoxy[1,3,5]triazin-2-yl)-4-methylmorpholinium chloride
DMTr	di(<i>p</i> -methoxyphenyl)phenylmethyl or dimethoxytrityl
DMTfSf	dimethyl(methylthio)sulfonium tetrafluoroborate
DMTST	dimethyl(methylthio)sulfonium trifluoromethanesulfonate
<i>DN</i>	donor number
DNA	deoxyribonucleic acid
DNase	deoxyribonuclease
DNB	<i>m</i> -dinitrobenzene
DNB	<i>p,p'</i> -dinitrobenzhydrl
DNF	2,4-dinitrofluorobenzene
DNFB	2,4-dinitrofluorobenzene
DNMBS	4-(4',8'-dimethoxynaphthylmethyl)benzenesulfonyl
DNMR	dynamic NMR
DNP	2,4-dinitrophenol
Dnp	2,4-dinitrophenyl
Dnpe	2-(2,4-dinitrophenyl)ethyl
Dnpeoc	2-(2,4-dinitrophenyl)ethoxycarbonyl
DNPH	2,4-dinitrophenylhydrazine
Dns	dansyl (5-dimethylamino-1-naphthalenesulfonyl)
DNs	2,4-dinitrobenzenesulfonyl

Dnseoc	2-dansylethoxycarbonyl
Dobz	<i>p</i> -(dihydroxyboryl)benzyloxycarbonyl
Doc	2,4-dimethylpent-3-yloxycarbonyl
DOCA	deoxycorticosterone acetate
DoM	directed ortho metalation
DOP	dioctylphthalate (bis(2-ethylhexyl)phthalate)
DOPA	β -(3,4-dihydroxyphenyl)alanine
DOPS	dimethyl[1,1-dimethyl-3-(tetrahydro-2 <i>H</i> -pyran-2-yloxy)propyl]silyl
DPA(DIPA)	diisopropylamine
DPA	diphenylacetyl
DPB	1-dodecylpyridinium bromide
DPBP	2,2'-bis(diphenylphosphino)biphenyl
DPC	1-dodecylpyridinium chloride
DPDC	diisopropyl peroxydicarbonate
DPDM	diphenyl diazomethane
DPEDA	1,2-diamino-1,2-diphenylethane
DPG	dipropylene glycol
DPIBF	diphenylisobenzofuran
DPIPS	diphenylisopropylsilyl
dpm	dipivaloylmethanato
DPN	diphosphopyridine nucleotide(=NAD)
DPNase	diphosphopyridine nucleotidase
DPNO	diphenyl nitroxide
Dpp	diphenylphosphinyl
DPPA	diphenoxyphosphinyl azide
DPPB	1,4-bis(diphenylphosphino)butane
Dppe	2-(diphenylphosphino)ethyl
DPPE	1,2-bis(diphenylphosphino)ethane
DPPF	1,1'-bis(diphenylphosphino)ferrocene
DPPH	2,2-di(4- <i>t</i> -octylphenyl)-1-picrylhydrazyl
Dppm	(diphenyl-4-pyridyl)methyl
DPPM	1,1-bis(diphenylphosphino)methane
DPPP	1,3-bis(diphenylphosphino)propane
DPS	<i>t</i> -butyldiphenylsilyl
DPSE	2-(methyldiphenylsilyl)ethyl
DPT	diphosphothiamine
Dpt	diphenylphosphinothioyl
DPTBS	diphenyl- <i>t</i> -butylsilyl
DPTC	O,O'-di(2'-pyridyl)thiocarbonate
dr	diastereomeric ratio
DTBAD(DBAD)	<i>dl-tert</i> -butyl azodicarboxylate
DTBB	4,4'-di- <i>tert</i> -butylbiphenyl
DTBMP	2,6-di- <i>tert</i> -butyl-4-methylpyridine
DTBMS	di- <i>t</i> -butylmethylsilyl
DTBP	di- <i>t</i> -butyl peroxide
DTBP	2,6-di- <i>tert</i> -butylpyridine
DTBS	di- <i>t</i> -butylsilylene
DTE	1,4-dithioerythritol
Dts	dithiasuccinimidyl
DTT	dithiothreitol
DuPHOS	substituted 1,2-bis(phospholano)benzene
DVB	divinylbenzene
DVS	1,3-divinyl-1,1,3,3-tetramethyldisiloxane
E	glutamic acid
<i>E</i>	entgegen
e	electron
E+	electrophile
E1	unimolecular elimination
E1cb	unimolecular elimination via carbanion
E2	bimolecular elimination
EA	ethanolamine
ED	effective dosage
EDA	electron donor-acceptor
EDA	ethyl diazoacetate
EDB	ethylene dibromide
EDC (EDCI)	1-ethyl-3-(3-dimethylaminopropyl)carbodiimide hydrochloride
EDCP	2,3-bisphosphonopentanedioic acid
EDDA	ethylenediamine- <i>N,N'</i> -diacetic acid
EDG	electron-donating group
EDNA	ethylenedinitramine
EDTA	ethylenediamine tetraacetic acid
EE	1-ethoxyethyl
ee (e.e.)	enantiomeric excess
EG	ethylene glycol
EI	electro ionization (electron impact ionization)
E/	intramolecular syn elimination
EL	electroluminescence
EI	electrophile
EM	effective molarity
EMA	ethyl methacrylate
en	ethylenediamine
ENDOR	electron-nuclear double resonance

EOM	ethoxymethyl
EPN	<i>O</i> -ethyl <i>O</i> - <i>p</i> -nitrophenyl phenylphosphonothioate
EPR	electron paramagnetic resonance
equiv	equivalent
ESCA	electron spectroscopy for chemical analysis
ESI	electrospray ionization
esp	$\alpha,\alpha,\alpha',\alpha'$ -tetramethyl-1,3-benzenedipropionate
ESR	electron spin resonance
Et	ethyl
ET	electron transfer
ETSA	ethyl trimethylsilylacetate
e.u.	entropy unit ($\text{cal K}^{-1} \text{mol}^{-1}$)
EVE	ethyl vinyl ether
EWG	electron-withdrawing group
EXAFS	extended X-ray absorption fine structure
EXSY	exchange spectroscopy
F	phenylalanine
FAB	fast atom bombardment
fac	facial
FAD	flavin adenine dinucleotide
Fc	ferrocenyl
Fcm	ferrocenylmethyl
FD	field desorption
FDNB	1-fluoro-2,4-dinitrobenzene
FDP	fructose-1,6-diphosphate
FDPP	pentafluorophenyl diphenylphosphinate
Fl	fluorenyl
FIA	fluorescent indicator adsorption
FIA	flow injection analysis
FM	frequency modulation
Fm	9-fluorenylmethyl
FMN	flavin mononucleotide
FMO	frontier molecular orbital
Fmoc	9-fluorenylmethoxycarbonyl
fod	6,6,7,7,8,8,8-heptafluoro-2,2-dimethyl-3,5-octanedione
fp	flash point
FPP	farnesyl pyrophosphate
FRET	fluorescence resonance energy transfer
Fru	fructose
FSM	functionalized mesoporous silica
FT	Fourier transform
FTT	1-fluoro-2,4,6-trimethylpyridinium triflate
FVP	flash vacuum pyrolysis
FWHM	full width at half maximum
G	guanosine
G	glycine
GABA	γ -aminobutyric acid
Gal	galactose
GC	gas chromatography
GDP	guanosine 5'-diphosphate
GEBC	gel entrapped base catalyst
gem	geminal
GFPP	geranyl farnesyl pyrophosphate
GHA	<i>N,N'</i> -ethanedithiobis(2-hydroxyaniline)
Glc	glucose
GLC	gas-liquid chromatography
Gln	glutamine
Glu	glutamic acid
Gly	glycine
GM	Geiger-Müller
GMP	guanosine 5'-monophosphate
GPC	gel permeation chromatography
GPS	geranyl pyrophosphate
GSC	gas-solid chromatography
GSH	glutathione [reduced form]
GSSG	glutathione [oxidized form]
GTO	Gaussian-type orbital
GTP	guanosine 5'-triphosphate
Gua	guanine
GUM	guaiacolmethyl
Guo	guanosine
H	histidine
h	hours
HABA	2-(4-hydroxyphenylazo)benzoic acid
Hacac	acetylacetone
HATU	<i>O</i> -(7-azabenzotriazol-1-yl)- <i>N,N,N',N'</i> -tetramethyluronium hexafluorophosphate
Hb	hemoglobin
HBn	2-hydroxybenzyl
HBPIn	pinacolborane
Hc	heat of combustion
HDEHP	bis(2-ethylhexyl)phosphate

Hdmg	dimethylglyoximate(1-)
H ₂ dmg	dimethylglyoxime
H ₄ edta	ethylenediaminetetraacetic acid
HEIP	1,1,1,3,3,3-hexafluoro-2-propanol(hexafluoroisopropanol)
Het	heterocycle
5-HETE	5-hydroxyeicosa-6,8,11,14-tetraenoic acid
HF	Hartree-Fock
hfa	hexafluoroacetylacetonato
hfacac	hexafluoroacetylacetonato
hfc	3-(heptafluoropropylhydroxy-methylene)- <i>d</i> -camphorato
HGK	4-hydroxy-2-ketoglutarate
HIA	hydride ion affinity
HIDA	<i>N</i> -(2-hydroxyethyl)iminodiacetic acid
HIP	1,1,1,3,3,3-hexafluoro-2-phenylisopropyl
His	histidine
HLB	hydrophile-lipophile balance
HLE	horse liver esterase
Hmb	2-hydroxy-4-methoxybenzyl
HMDA	1,6-hexanediamine
HMDS	1,1,1,3,3,3-hexamethyldisilazane
HMO	Hückel molecular orbital
HMPA	hexamethylphosphoric triamide (hexamethylphosphoramide)
HMPT	hexamethylphosphorous triamide
HOAt	1-hydroxy-7-azabenzotriazole
HOBt	1-hydroxybenzotriazole
Hoc	cyclohexyloxycarbonyl
HOMO	highest occupied molecular orbital
homoZ	homobenzyloxycarbonyl
HOSu	<i>N</i> -hydroxysuccinimide
H2ox	oxalic acid
5-HPETE	5-hydroperoxy-6,8,11,14-eicosatetraenoic acid
HPLC	high-performance liquid chromatography
HSAB	hard and soft acids and bases
HSDIS	(hydroxystyryl) diisopropylsilyl
HSDMS	(hydroxystyryl) dimethylsilyl
HTS	high throughput screening
hv	irradiation with light
HWE reaction	Horner-Wadsworth-Emmons reaction
Hyp	hydroxyproline
Hyp	hypoxanthine
hZ	homobenzyloxycarbonyl
I	inosine
I	isoleucine
i	iso
IAA	indoleacetic acid
IBA	2-iodosobenzoic acid
IBX	<i>o</i> -iodoxybenzoic acid
ICC	isocyanuryl chloride
ICD	induced circular dichroism
ICR	ion-cyclotron resonance
IDA	iminodiacetic acid
IDCP	bis(2,4,6-collidine)iodonium perchlorate
IDP	inosine 5'-diphosphate
IDTr	3-(imidazol-1-ylmethyl)-4',4''-dimethoxytriphenylmethyl
IE	ion exchange
IEP	isoelectric point
IETr	4,4'-dimethoxy-3''-[<i>N</i> -(imidazolylethyl) carbamoyl]trityl
Ile	isoleucine
IMA	ion microanalyzer
iMds	2,6-dimethoxy-4-methylbenzenesulfonyl
Imid (Im)	imidazole
IMP	inosine 5'-monophosphate
INDO	incomplete neglect of differential overlaps
INDOR	internuclear double resonance
Ino	inosine
INOC	intramolecular nitrile oxide cycloaddition
IP	ionization potential
IP	ion pair
IPA	isopropyl alcohol
Ipaoc	1-isopropylallyloxycarbonyl
Ipc	isopinocampheyl
IPCF	isopropenyl chloroformate
IPDMS	isopropyl dimethylsilyl
IPP	isopentenyl pyrophosphate
IR	infrared spectroscopy
ITP	inosine 5'-triphosphate
IUPAC	International Union of Pure and Applied Chemistry
K	lysine
K	equilibrium constant
K-10	a type of Montmorillonite clay
KDA	potassium diisopropylamide

KDP	potassium dihydrogenphosphate
KHMDS	potassium hexamethyldisilazide
K-selectride®	potassium tri- <i>s</i> -butylborohydride
KSF	a type of Montmorillonite clay
L	leucine
L	ligand
LA	Lewis acid
LAB	lithium amidotrihydroborate
LAH	lithium aluminium hydride
LASER	light amplification by stimulated emission of radiation
LB	Langmuir-Blodgett
LC	liquid chromatography
LCAO	linear combination of atomic orbital
LCIA	lithium cyclohexylisopropylamide
LCMO	linear combination of molecular orbital
LD	lethal dose
LD50	dose that is lethal to 50% of the test subjects
LDA	lithium diisopropylamide
LDBB	lithium 4,4'- <i>t</i> -butylbiphenylide
LDE	lithium diethylamide
LDMAN	lithium 1-dimethylaminonaphthalenide
LDPE	lithium perchlorate-diethyl etherate
Leu	leucine
Lev	levulinoyl
LevS	4,4-(ethylenedithio)pentanoyl
LHMDS(LiHMDS)	lithium hexamethyldisilazide
LICA	lithium isopropylcyclohexylamide
LICKOR	butyllithium-potassium <i>tert</i> -butoxide (superbase)
liq.	liquid
LIS	laser isotope separation
LIS	lanthanoid-induced shift
LiTMP	lithium 2,2,6,6-tetramethylpiperidide
LLB	LaLi ₃ tris(binaphthoxide)
LMR	laser magnetic resonance
LPP	linaloyl pyrophosphate
LPT	lithium pyrrolidotrihydroborate(lithium pyrrolidide-borane)
L.R.	Lawesson's reagent(2,4-bis(4-methoxyphenyl)-[1,3,2,4]dithiadiphosphetane 2,4-dithion)
LSC	liquid scintillation counting
L-selectride®	lithium tri- <i>s</i> -butylborohydride
LSR	lanthanoid shift reagent
LT	leukotriene
LTA	lead tetraacetate
LTH	luteotropic hormone
LTMP	lithium tetramethylpiperidide
LTMP	lithium 2,2,6,6-tetramethylpiperidide
LUMO	lowest unoccupied molecular orbital
lut	2,6-lutidine
Lys	lysine
Lyx	lyxose
M	methionine
M	metal
m	meta
MA	methyl acrylate
MA	maleic anhydride
MAC	maximum allowable concentration
MAD	methyl aluminum bis(2,6-di- <i>t</i> -butyl-4-methylphenoxide)
MALDI	matrix-assisted laser desorption ionization
Man	mannose
MAO	methylalumoxane
MAQ	2-(9,10-anthraquinonyl)methyl
MAT	methyl aluminum bis(2,4,6-tri- <i>t</i> -butylphenoxide)
Mb	myoglobin
MBBA	<i>p</i> -butyl-(<i>N</i> - <i>p</i> '-methoxybenzylidene)-aniline
MBE	1-methyl-1-benzoyloxyethyl
MBF	2,2,3a,4,5,6,7,7a-octahydro-7,8,8-trimethyl-4,7-methanobenzofuran-2-yl
Mbs	<i>p</i> -methoxybenzenesulfonyl
MBT	2-mercaptobenzothiazole
MCD	magnetic circular dichroism
MCP	2-methyl-4-chlorophenoxyacetic acid
MCPBA(m-CPBA)	<i>m</i> -chloroperbenzoic acid
MDPP	menthylidiphenylphosphine
Mds	2,6-dimethyl-4-methoxybenzenesulfonyl
Me	methyl
MEA	2-mercaptoethylamine
MEC	α -methylcinnamyl
MEHQ	O-methylhydroquinone
MEK	methyl ethyl ketone
MEM	2-methoxyethoxymethyl
Menpoc	α -methylnitropiperonyloxycarbonyl
MeOZ	<i>p</i> -methoxybenzyloxycarbonyl
MEPY	methyl 2-pyrrolidone-5-carboxylate

<i>mer</i>	meridional
Mes	mesityl
mesal	<i>N</i> -methylsalicylaldehyde
Met	methionine
MH	maleohydrazide
MIBK	methyl isobutyl ketone
MIC	methyl isocyanate
MIP	methoxyisopropyl
MM	menthoxymethyl
MM	Molecular Mechanics
MMA	methyl methacrylate
MMPP	magnesium monoperoxyphthalate
MMT (MMTr)	<i>p</i> -methoxyphenyldiphenylmethyl
MO	molecular orbital
MOM	methoxymethyl
MOMCl	methoxymethyl chloride
MOMO	methoxymethoxy
MoOPH	oxodiperoxomolybdenum(pyridine)-(hexamethylphosphoric triamide)
MOP	2-(diphenylphosphino)-2'-methoxy-1,1'-binaphthyl
Moz	<i>p</i> -methoxybenzyloxycarbonyl
mp	melting point
MP	<i>p</i> -methoxyphenyl
MPD	<i>N</i> -methyl-2-pyrrolidinone
MPFA	2-[1-(<i>N,N</i> -dimethylamino)ethyl ferrocenyl diphenyl]phosphine
MPM	4-methoxyphenylmethyl
MPM	methoxy(phenylthio)methyl
MPP	<i>O,O</i> -dimethyl <i>O</i> -(4-methylthio- <i>m</i> -tolyl)phosphorothioate
MPPC	<i>N</i> -methyl piperidinium chlorochromate
Mps	<i>p</i> -methoxyphenylsulfonyl
Mpt	dimethylphosphinothioyl
MRD	magnetic rotatory dispersion
mRNA	messenger ribonucleic acid
MS	mass spectrometry
MS	Molecular sieves
Ms	methanesulfonyl (mesyl)
MSA	methanesulfonic acid
MSG	monosodium glutamate
MSH	<i>o</i> -mesitylenesulfonyl hydroxylamine
Msib	4-(methylsulfinyl)benzyl
MSTFA	<i>N</i> -methyl- <i>N</i> -(trimethylsilyl)trifluoroacetamide
Msz	4-methylsulfinylbenzyloxycarbonyl
MTAD	<i>N</i> -methyltriazolinedione
Mtb	2,4,6-trimethoxybenzenesulfonyl
MTB	methylthiobenzene
Mte	2,3,5,6-tetramethyl-4-methoxybenzenesulfonyl
MTEE (MTBE)	methyl <i>t</i> -butyl ether
MTHP	4-methoxytetrahydropyranyl
MTM	methylthiomethyl
MTMB	4-(methylthiomethoxy)butyl
MTMECO	2-(methylthiomethoxy)ethoxycarbonyl
MTMT	2-(methylthiomethoxymethyl)benzoyl
MTO	methyltrioxorhenium
Mtpc	4-(methylthio)phenoxycarbonyl
Mtr	(4-methoxy-2,3,6-trimethylphenyl)sulfonyl
MVK	methyl vinyl ketone
MW	molecular weight
mw	microwave
N	asparagine
n	normal
NAC	near-attack conformer
NAD	nicotinamide adenine dinucleotide(=DPN)
NADP	nicotinamide adenine dinucleotide phosphate(=TPN)
NADPH	nicotinamide adenine dinucleotide phosphate
NaHMDS	sodium bis(trimethylsilyl)amide
Naph(Np)	naphthyl
NAPHOS	2,2'-bis[(diphenylphosphino)methyl]-1,1'-binaphthyl
NBA	<i>N</i> -bromoacetamide
NBD	norbornadiene
NBMO	non-bonded molecular orbital
NBOM	nitrobenzyloxymethyl
NBS	<i>N</i> -bromosuccinimide
NCA	<i>N</i> -chloroacetamide
NCE	normal calomel electrode
NCS	<i>N</i> -chlorosuccinimide
Ne	2-nitroethyl
NEA	negative electron affinity
Nf	nonafluorobutanesulfonyl
NHOMO	next highest occupied molecular orbital
NHPI	<i>N</i> -hydroxyphthalimide
NICS	nucleus-independent chemical shift
NIP	2,4-dichlorophenyl 4'-nitrophenyl ether
NIS	<i>N</i> -iodosuccinimide

NLUMO	next lowest unoccupied molecular orbital
NMM	<i>N</i> -methylmorpholine
NMN	nicotinamide mononucleotide
NMO	<i>N</i> -methylmorpholine <i>N</i> -oxide
NMP	<i>N</i> -methyl-2-pyrrolidone
NMR	nuclear magnetic resonance
Noc	4-nitrocinnamylloxycarbonyl
NOE	nuclear Overhauser effect
NOESY	nuclear Overhauser effect spectroscopy
NORPHOS	5,6-bis(diphenylphosphino)-2-norbornene
NOx	nitrogen oxides
Np	naphthyl
Npe	2-(nitrophenyl)ethyl
Npeoc	2-(4-nitrophenyl)ethoxycarbonyl
Npes	2-(4-nitrophenyl)ethylsulfonyl
NPM	<i>N</i> -phenylmaleimide
NPP	neryl pyrophosphate
Nps	2-nitrophenylsulfenyl
NpSSPeoc	2-[(2-nitrophenyl)dithio]-1-phenylethoxycarbonyl
Npys	3-nitro-2-pyridinesulfenyl
NQR	nuclear quadrupole resonance
NR	no reaction
Ns	2- or 4-nitrobenzenesulfonyl
NSAID	non steroidal anti-inflammatory drug
Nu (Nuc)	nucleophile
NVOC	3,4-dimethoxy-6-nitrobenzyloxycarbonyl
<i>o</i>	ortho
OBO	2,6,7-trioxabicyclo[2.2.2]octyl
ODS	octadecylsilyl
Oh	octahedral
ONB	<i>o</i> -nitrobenzyl
OPP	<i>o</i> -phenylphenol
ORD	optical rotatory dispersion
Orn	ornithine
ORP	oxidation-reduction potential
OS	olefinic strain
Ox	oxidant
oxin	oxinato(=8-quinolinolato)
Oxone	potassium peroxymonosulfate
<i>o.y.</i>	optical yield
P	proline
<i>p</i>	para
<i>P</i>	polymer support
PA	proton affinity
PAB	<i>p</i> -acylaminobenzyl
PACH	2-[2-(benzyloxy)ethyl]benzoyl
PACM	2-[2-(4-methoxybenzyloxy)ethyl]benzoyl
PAF	platelet-activating factor
Paloc	3-(3-pyridyl)allyloxycarbonyl
PAN	peroxyacetyl nitrate
PAN	polyacrylonitrile
PAN	1-(2-pyridylazo)-2-naphthol
α -PAN	2-(2-pyridylazo)-1-naphthol
β -PAN	1-(2-pyridylazo)-2-naphthol
<i>p</i> -AOM	<i>p</i> -anisylloxymethyl
PAP	2,8,9-trialkyl-2,5,8,9-tetraaza-1-phospha-bicyclo[3.3.3]undecane
PAPS	phosphoadenosine phosphosulfate(=adenosine 3'-phosphate 5'-phosphatosulfate)
PAS	4-aminosalicylic acid
PAS	photoacoustic spectroscopy
Pbf	2,2,4,6,7-pentamethyldihydrobenzofuran-5-sulfonyl
PBP	pyridinium bromide perbromide
PBzN	peroxybenzoyl nitrate
Pc	phthalocyanine
PCB	polychlorobiphenyl
PCC	pyridinium chlorochromate
PCDB	polychlorodibenzofuran
PCDD	polychlorodibenzo[1,4]dioxin
PCDF	polychlorodibenzofuran
PCMB	<i>p</i> -chloromercuribenzoic acid
PCNB	pentachloronitrobenzene
PCR	polymerase chain reaction
PDC	pyridinium dichromate
PDTA	propylenediamine- <i>N,N,N',N'</i> -tetraacetic acid
PE	polyethylene
PEG	polyethylene glycol
Peoc	2-(triphenylphosphonio)ethoxycarbonyl
PES	photoelectron spectroscopy
PET	poly(ethylene terephthalate)
PET	positron emission tomography
PeT	photoinduced electron transfer
Pet	2-(2'-pyridyl)ethyl
Pf	9-phenylfluorenyl

pfb	perfluorobutyrate
PG	prostaglandin
PG	protective group
PGA	3-phosphoglyceric acid
PGA	prostaglandin A
Ph	phenyl
PHAL	phthalazine
Phamc	phenylacetamidomethyl
Phe	phenylalanine
Phen	1,10-phenanthroline
Phenoc	4-methoxyphenacyloxycarbonyl
Phenphos	1,2-bis(diphenylphosphino)-1-phenylethane
Phth	phthaloyl
pic	2-pyridienecarboxylate
PIDA	phenyliodonium diacetate
PIFA	phenyliodonium bis(trifluoroacetate)
Pim	phthalimidomethyl
Piv	pivaloyl
Pixyl	9-(9-phenyl)xanthenyl
PL	photoluminescence
PLE	pig liver esterase
PMA	phenylmercury(II) acetate
PMB	<i>p</i> -methoxybenzyl
PMBM	<i>p</i> -methoxybenzyloxymethyl
Pmc	2,2,5,7,8-pentamethylchroman-6-sulfonyl
Pme	pentamethylbenzenesulfonyl
PMMA	poly(methyl methacrylate)
PMP	4-methoxyphenyl
PMP	1,2,2,6,6-pentamethylpiperidine
PMS	<i>p</i> -methylbenzylsulfonyl
pn	propylenediamine
PNA	peptide nucleic acid
PNB	<i>p</i> -nitrobenzyl
PNP	<i>p</i> -nitrophenyl
PNPE	2-(4-nitrophenyl)ethyl
Poc	cyclopentylloxycarbonyl
POM	pentenyloxymethyl
POP	2,5-diphenyloxazole
POPOP	1,4-bis[2-(5-phenyloxazolyl)]benzene
Pp	2-phenyl-2-propyl
PPA	polyphosphoric acid
ppb	parts per billion
PPFA	1-[2-(diphenylphosphino)-ferrocenyl]ethyl dimethylamine
PPFOMe	1-[2-(diphenylphosphino)-ferrocenyl]ethyl methyl ether
pphm	parts per hundred million
PPI	2-phenyl-2-(2-pyridyl)-2 <i>H</i> -imidazole
PPKO	phenyl 2-pyridyl ketone oxime
PPL	porcine pancreatic lipase
ppm	parts per million
PPO	4-(3-phenylpropyl)pyridine-N-oxide
Ppoc	2-triphenylphosphonioisopropoxycarbonyl
PPSE	polyphosphoric acid trimethylsilyl ester
Ppt	diphenylthiophosphinyl
PPTS	pyridinium <i>p</i> -toluenesulfonate
Pr	propyl
Pro	proline
Prophos	1,2-bis(diphenylphosphino)propane
PS	polystyrene
PSE	2-(phenylsulfonyl)ethyl
Psec	2-(phenylsulfonyl)ethoxycarbonyl
psi	pounds per square inch
PT	1-phenyl-1 <i>H</i> -tetrazol-yl
P.T.	proton transfer
PTAB	phenyltrimethylammonium perbromide
PTC	phase-transfer catalysis (phase-transfer catalyst)
PTE	2-(4-nitrophenyl)thioethyl
PTM	phenylthiomethyl
PTMSE	(2-phenyl-2-trimethylsilyl)ethyl
PTSA(or TsOH)	<i>p</i> -toluenesulfonic acid
Pv	pivaloyl
PVA	poly(vinyl alcohol)
PVAc	poly(vinyl acetate)
PVC	poly(vinyl chloride)
PVDC	poly(vinylidene chloride)
PVDF	poly(vinylidene fluoride)
PVF	poly(vinyl fluoride)
PVP	poly(<i>N</i> -vinylpyrrolidone)
PVP	poly(4-vinylpyridine)
Px	9-(9-phenyl)xanthenyl
Py (pyr)	pyridine (or pyridyl)
Pyet	1-(α -pyridyl)ethyl
Pyoc	2-(2'- or 4'-pyridyl)ethoxycarbonyl

Q	glutamine
Qm	2-quinolinylmethyl
QMS	quadrupole mass spectrometer
QUINAP	1-(2-diphenylphosphino-1-naphthyl)isoquinoline
R	arginine
R	alkyl
rac	racemic
RAMP	(R)-1-amino-2-(methoxymethyl)pyrrolidine
RaNi	Raney nickel
RB	Rose Bengal
RCAM	ring-closing alkyne metathesis
RCM	ring-closing metathesis
RD	rotatory dispersion
rds	rate-determining step
Red-Al®	sodium bis(2-methoxyethoxy)aluminum hydride
RF	radio frequency
Rf	perfluoroalkyl group
Rf	retention factor in chromatography
Rham	rhamnosyl
RHF	restricted Hartree-Fock
RI	radioactive isotope (radioisotope)
Rib	ribose
RIS	radioimmunoassay
RNA	ribonucleic acid
RNase	ribonuclease
ROM	ring-opening metathesis
ROMP	ring-opening metathesis polymerization
rRNA	ribosomal RNA
rt	room temperature
S	serine
s	seconds
S,S-chiraphos	(S,S)-2,3-bis(diphenylphosphino)butane
SAA	surface-active agent
salad	salicylaldehydato
salen	<i>N,N'</i> -ethylenebis(salicylideneiminato)
salophen	<i>o</i> -phenylenebis(salicylideneiminato)
salox	salicylaldoxime
SAMP	(S)-1-amino-2-(methoxymethyl)pyrrolidine
SATE	<i>S</i> -acetylthioethyl
sc	synclinal
SC CO ₂	supercritical carbon-dioxide
SCE	saturated calomel electrode
SCF	self-consistent field
Scm	<i>S</i> -carboxymethylsulfenyl
ScmCl	methoxycarbonylsulfenyl chloride
SDS	sodium dodecyl sulfate
SE	substitution electrophilic
SE	strain energy
SEC	size exclusion chromatography
sec	secondary
SEE	1-[2-(trimethylsilyl)ethoxy]ethyl
SEFT	spin-echo Fourier transform
SEM	2-(trimethylsilyl)ethoxymethyl
Ser	serine
SES	2-(trimethylsilyl)ethanesulfonyl
SET	single electron transfer
Sia	siamyl (<i>s</i> -isoamyl or 1,2-dimethylpropyl)
SIMS	secondary ion mass spectrometry
Sisyl	tris(trimethylsilyl)silyl
SMEAH	sodium bis(2-methoxyethoxy)aluminum hydride
SMOM	(phenyldimethylsilyl)methoxymethyl
SN	signal noise [ratio]
S _N 1	unimolecular nucleophilic substitution
S _N 2	bimolecular nucleophilic substitution
SNi	intramolecular nucleophilic substitution
Snm	<i>S</i> -(<i>N'</i> -methyl- <i>N'</i> -phenylcarbamoyl)sulfenyl
SOHIO	Standard Oil Ohio
SOMO	singly occupied molecular orbital
SO _x	sulfur oxides
SP	square planar (or square pyramid)
sp	synperiplanar
SPB	sodium perborate
SRS-A	slow-reacting substance of anaphylaxis
STABASE	1,1,4,4-tetramethyldisilylazacyclopentane
STM	scanning tunneling microscope
STO	slater-type orbital
Su	succinimidyl
T	threonine
T	ribosylthymine (=Thd)
Tacm	trimethylacetamidomethyl
TADDOL	2,2-dimethyl- $\alpha, \alpha, \alpha^1, \alpha^1$ -tetraaryl-1,3-dioxolane-4,5-dimethanol

TASF	tris(diethylamino)sulfonium difluorotrimethylsilicate
TBAB	tetra- <i>n</i> -butylammonium bromide
TBAC	tetra- <i>n</i> -butylammonium chloride
TBAF	tetra- <i>n</i> -butylammonium fluoride
TBAI	tetra- <i>n</i> -butylammonium iodide
TBCO	tetrabromocyclohexadienone
TBDMS(TBS)	<i>t</i> -butyldimethylsilyl
TBDPS(BPS)	<i>t</i> -butyldiphenylsilyl
TBDS	tetra- <i>t</i> -butoxydisiloxane-1,3-diylidene
TBH	<i>tert</i> -butyl hypochlorite
TBHP	<i>t</i> -butyl hydroperoxide
TBMPs	<i>t</i> -butylmethoxyphenylsilyl
TBP	trigonal bipyramid
TBP	tributylphosphine
TBS	<i>t</i> -butyldimethylsilyl
TBT	1- <i>tert</i> -butyl-1 <i>H</i> -tetrazol-5-yl
TBTH	tributyltin hydride
TBTr	4,4',4''-tris(benzyloxy)triphenylmethyl
TBTSP	<i>t</i> -butyl trimethylsilyl peroxide
<i>t</i> -Bumeoc	1-(3,5-di- <i>t</i> -butylphenyl)-1-methylethoxycarbonyl
TCA	tricarboxylic acid [cycle]
TCB	2,2,2-trichloro-1,1-dimethylethyl
TcBOC	1,1-dimethyl-2,2,2-trichloroethoxycarbonyl
TCCA	trichloroisocyanuric acid
TCDI	thiocarbonyl diimidazole
TCNB	1,2,4,5-tetracyanobenzene
TCNE	tetracyanoethylene
TCNQ	7,7,8,8-tetracyano-para-quinodimethane
TCP	<i>N</i> -tetrachlorophthalimido
Tcroc	2-(trifluoromethyl)-6-chromonylmethyleneoxycarbonyl
Tcrom	2-(trifluoromethyl)-6-chromonylmethylene
TCSD	total chemical shift difference
Td	tetrahedral
TDAE	tetrakis(dimethylamino)ethene
TDE	(2,2,2-trifluoro-1,1-diphenyl)ethyl
Tdf-DMTr	4-(17-tetrabenz[a,c,g,i]fluorenylmethyl-4',4''-dimethoxytrityl)
Tdfmoc	17-tetrabenz[a,c,g,i]fluorenylmethoxycarbonyl
TDP	ribosylthymine diphosphate
TDS	dimethyl thexylsilyl
TEA	triethylamine
TEAB	tetrabutylammonium bromide
TEAC	tetraethylammonium chloride
TEAI	tetraethylammonium iodide
TEBA	triethylbenzylammonium chloride
TEBAC	triethylbenzylammonium chloride
TEM	transmission electron microscope
TEMPO	2,2,6,6-tetramethylpiperidinyloxy
Teoc	2-(trimethylsilyl)ethoxycarbonyl
TEOS	2-trimethylsilylethoxycarbonyl
TEP	triethylphosphite
TES	triethylsilyl
TESH	triethylsilane
Tf	trifluoromethanesulfonyl
TFA	trifluoroacetic acid
Tfa	trifluoroacetamide
TFAA	trifluoroacetic anhydride
Tfav	4,4,4-trifluoro-3-oxo-1-butenyl
TFE	2,2,2-trifluoroethanol
TFMSA	trifluoromethanesulfonic acid (triflic acid)
TfOH	trifluoromethanesulfonic acid
TFP	tris(2-furyl)phosphine
TGA	thermogravimetric analysis
Th	2-thienyl
Thd	ribosylthymine
thd	2,2,6,6-tetramethyl-3,5-heptanedionato (=dpm)
Thexyl	<i>t</i> -hexyl (1,1,2-trimethylpropyl)
THF	tetrahydrofuran
THP	2-tetrahydropyranyl
Thr	threonine
TIBP	1,3,5-triisopropylbenzene
TIBS	triisobutylsilyl
TIOA	triisooctylamine
TIPDS	1,3-(1,1,3,3-tetraisopropyl)disiloxanylidene)
TIPS	triisopropylsilyl
TLC	thin-layer chromatography
TLTr	4,4',4''-tris(levulinoyloxy)triphenylmethyl
TMAB	tetramethylammonium bromide
TMAC	tetramethylammonium chloride
TMAI	tetramethylammonium iodide
TMAO (TMANO)	trimethylamine <i>N</i> -oxide
tnb	2,4,6-trimethylbenzyl
TMEDA	<i>N,N,N',N'</i> -tetramethylethylenediamine

TMG	1,1,3,3-tetramethylguanidine
TMGA	tetramethylguanidinium azide
TMIO	1,1,3,3-tetramethylisoindolyl-2-oxy
Tmob	2,4,6-trimethoxybenzyl
TMOF	trimethyl orthoformate
TMP	ribosylthymine monophosphate
TMP	2,2,6,6-tetramethylpiperidine
TMPD	<i>N,N,N,N'</i> -tetramethyl- <i>p</i> -phenylenediamine
TMPM	trimethoxyphenylmethyl
TMS	tetramethylsilane
TMS	trimethylsilyl
TMSA	trimethylsilyl azide
TMSE	2-(trimethylsilyl)ethyl
TMSEC	2-(trimethylsilyl)ethoxycarbonyl
TMSEE	(trimethylsilyl)ethynyl ether
TMSP	2-trimethylsilylprop-2-enyl
TMTTr	tris(<i>p</i> -methoxyphenyl) methyl
TMU	tetramethylurea
TMV	tabacco mosaic virus
tn	trimethylenediamine (1,3-propanediamine)
TNB	1,3,5-trinitrobenzene
TNM	tetranitromethane
TNT	2,4,6-trinitrotoluene
TOA	trioctylamine
TOF	time-of-flight
TOF	turnover frequency
Tol	<i>p</i> -tolyl
<i>o</i> -Tol	<i>o</i> -tolyl
tolbinap	2,2'-bis(di- <i>p</i> -tolylphosphino)-1,1'-binaphthyl
TON	turnover number
TOPO	trioctylphosphine oxide
Tos	<i>p</i> -toluenesulfonyl (tosyl)
TP	trigonal prism (or trigonal pyramid)
TP	trispyrazolyl borate
TP*	tris(2,4-dimethylpyrazolyl) borate
TPAP	tetra- <i>n</i> -propylammonium perruthenate
TPN	triphosphopyridine nucleotide (=NADP)
TPP	5,10,15,20-tetraphenylporphyrin
TPP	thiamine pyrophosphate
TPPMS	Ph ₂ P(m-C ₆ H ₄ SO ₃ Na)
TPPTS	sulfonated triphenylphosphine
TPS	triphenylsilyl
TPTE	2-(4-triphenylmethylthio)ethyl
TPTZ	2,4,6-tri(2-pyridyl)-1,3,5-triazine
Tr	triphenylmethyl (trityl)
TRDTA	triethylenediaminetetraacetic acid
TRH	thyrotropin-releasing hormone
trien	triethylenetetramine
Tris	tris(hydroxymethyl)aminomethane (=2-amino-2-hydroxymethyl-1,3-propanediol)
Trisyl	2,4,6-triisopropylbenzenesulfonyl
Triton B	benzyltrimethylammonium hydroxide
Tritylone	9-(9-phenyl-10-oxo)anthryl
tRNA	transfer ribonucleic acid
Troc	2,2,2-trichloroethoxycarbonyl
Trp	tryptophan
Ts	<i>p</i> -toluenesulfonyl (tosyl)
TS	transition state
TSE	2-(trimethylsilyl)ethyl
TSH	thyroid-stimulating hormone
TTA	thenoyltrifluoroacetone
TTBP	2,4,5-tri- <i>tert</i> -butylpyrimidine
TTF	tetrathiafulvalene
TTHA	triethylenetetramine- <i>N,N,N',N',N'',N''',N''''</i> -hexaacetic acid
TTMSS	tris(trimethylsilyl)silane
TTN	thallium (III) -trinitrate
TTP	ribosylthymine triphosphate
TX	thromboxane
Tyr	tyrosine
U	uridine
UDP	uridine diphosphate
UHP	urea-hydrogen peroxide complex
UMP	uridine monophosphate
ur	urea
Urd	uridine
UTP	uridine triphosphate
UV	ultraviolet
V	valine
VAc	vinyl acetate
Val	valine
VB	valence bond
VC	vinyl chloride

vic	vicinal
Vitride	sodium bis(2-methoxyethoxy)aluminum hydride
Voc	vinylloxycarbonyl
VPC	vapor-phase chromatography
W	tryptophan
wk	weeks
WSC (WSCl)	water-soluble carbodiimide
X	halogen
XAFS	X-ray absorption fine structure
Xan	xanthosine
XANES	X-ray absorption near edge structure
XRD	X-ray diffraction
Xyl	xylose
Xyl	xylyl
Y	tyrosine
Z	benzyloxycarbonyl
Z	zusammen
ZMS	zeolite molecular sieve
Δ	heat